Supplementary Information (SI) for Journal of Materials Chemistry C.

Supplementary materials

Enhanced electrical properties of lead-free sodium potassium niobate piezoelectric ceramics prepared via cold sintering assisted sintering

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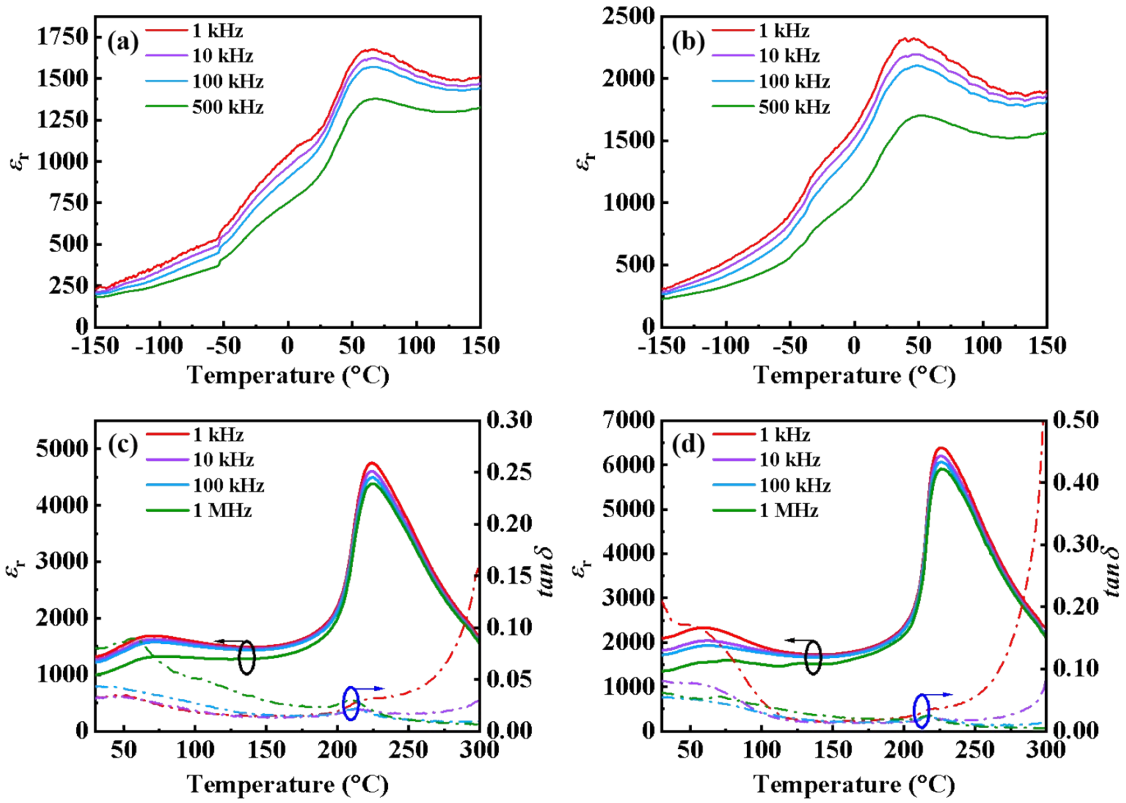

Figure S1. Temperature dependences of permittivity of (a) CS-1120 and (b) CSAS-1120 ceramics from -150 to 150 °C; temperature dependences of dielectric loss and permittivity of (c) CS-1120 and (d) CSAS-1120 ceramics from 30 to 300 °C.

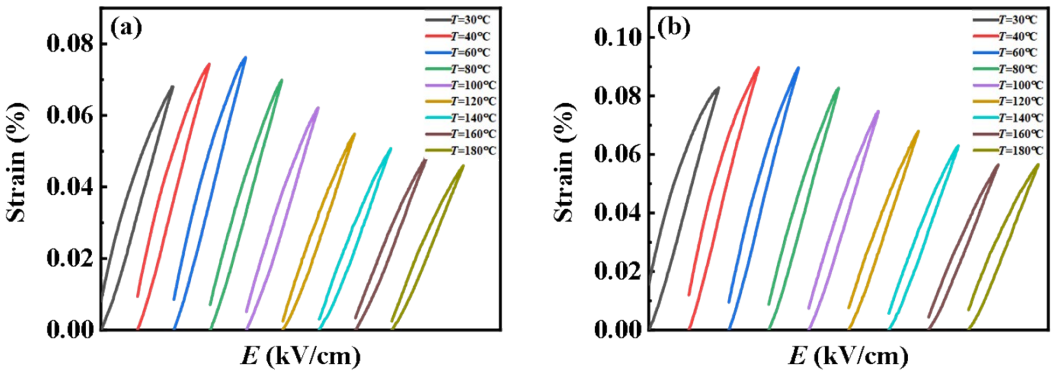

Figure S2. Temperature dependent unipolar *S*-*E* curves of the ceramics with (a) CS-1120 (b) CSAS-1120.

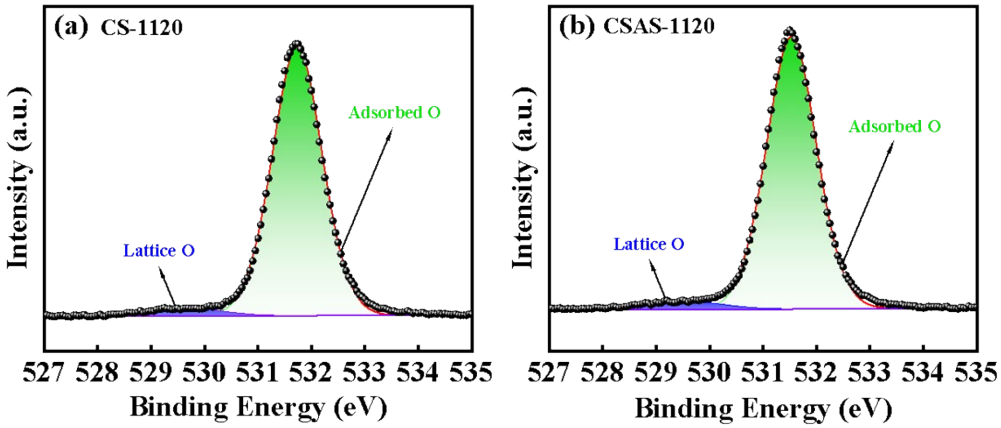

Figure S3. XPS spectra of O1s of (a) CS-1120, (b)CSAS-1120.